



Service Bulletin

TECHNICAL

Subject: Engine Stumbles/Hesitates, and/or Stalls

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Spark	2016	2017			L5Q, LWT, LV7	
Opel	Astra J						
	Karl						
Vauxhall	Astra J						

Involved Region or Country	North America and N.A. Export Regions
Condition	<p>Some customers may comment that the engine may:</p> <ul style="list-style-type: none"> • Stall • Stumble/Hesitate • Wont restart immediately <p>The technician may find after the Engine Control Module (ECM) sleeps (approximately 20 seconds), the engine restarts.</p>
Cause	This condition may be caused by a software anomaly in the ECM.

Correction

Step	Action	Input	Yes	No
Customer Concern: Engine Stalled				
Note: Validate and repair any DTCs that may have set and may cause the engine to stall before proceeding with the procedure.				
1	Customer Input	Did engine restart immediately?	Yes or Unknown Go to Step 2	Go to Step 4

2	Perform SI Engine Stall Diagnosis, refer to SI for repairs	Did the repair fix the engine stall concern	No further repair needed	Go to Step 3
3	Reprogram the ECM to the latest software calibration available	No further repair needed	-	-
4	Perform SI Engine Stall Diagnosis, refer to SI for repairs	Did the repair fix the engine stall concern	No further repair needed	Go to Step 5
5	If the software update didn't change concern, replace the ECM and update with latest calibrations.	No further repair needed	-	-

Step	Action	Input	Yes	No
Customer Concern: Engine Stumble, Sag or Hesitation				
Note: Validate and repair any DTCs that may have set and may cause the engine to stall before proceeding with the procedure.				
1	-	Is the Customer Complaint Repeatable	Go to Step 2	Go to Step 5
2	Perform Diagnostic System Check–Engine Controls	Does the ECM have the latest Software & Calibration?	Go to Step 3	Go to Step 5
3	Perform SI Engine Diagnosis, refer to SI for repairs	Did the repair fix the engine stall concern	No further repair needed	Go to Step 4
4	Replace the ECM	No further repair needed	-	-
5	Perform SI Engine Diagnosis, refer to SI for repairs	Did the repair fix the engine stall concern	No further repair needed	Go to Step 6
6	Reprogram the ECM to the latest software calibration available	Did the repair fix the engine stall concern	No further repair needed	-

Parts Information

No parts are required for this repair.

Warranty Information

Labor Operation	Description	Labor Time
2810075	Engine Control Module Reprogramming with SPS	Use Published Labor Operation Time

Service Procedure

Important: Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the *EL-49642* SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12 V jumper or booster pack disconnected from the AC voltage supply. DO NOT connect a battery charger.

A revised calibration has been released to address these conditions. Update the Engine Control Module (ECM). Refer to *K20 Engine Control Module: Programming and Setup* in SI.

Version	1
Modified	

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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